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1960

Project 2532
One-watt Transmitter

Project requirement is to provide a low power transmitter which will alleviate to the highest degree permitted by the "state of the art", many of the obstacles imposed by agent usage. Concealability, simplicity, low power consumption and reliability are among factors receiving heavy emphasis. To use the advantages which may possibly be derived from new equipment and techniques now under study and/or development, the RT-38 will be made compatible for Barker Code transmission and also for use as a companion transmitter to the series of off-line electronic keyers under development.

Up to 300 wpm

CW, FSK or Barker

4 to 16 MC in two units'

One watt

This document is part of an integrated file. If separated from the file it must be subjected to individual systematic review.

70 - 1200 Ohms

NA

Approx. 3.5 watts from rechargeable NiCad batteries.

Transistor XXXX

5 transistors

Estimated 45 - 60 minutes of operation per charge cycle depending upon mode of operation.

NA

NA

3 13/16" X 2 9/16" X 1 1/16" per unit.

Units included:
2 - Transmitters
1 - Battery Pack and DC-DC Converter Combined
1 - Charger.

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8 to 10 oz. per unit (estimated)

[redacted] STAT

Pocket carried

Only the interconnection to associated units and tuning.

Few hours familiarization with tuning and interconnection procedures.

Orthodox transistor circuitry.

NA

NA

The fabrication of one prototype has been started for use in testing the effectiveness of Barker transmissions and also for testing with the [redacted] STAT electronic keyer. Development of the second transmitter, power pack and charger has not been completed.

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Complete prototype fabrication, testing and evaluation.

Photograph of the engineering prototype will be supplied.

None

Unclassified.

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